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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/913,977	08/20/2001	Stephen Proulx	MCA-449 PC/US	8230
29621	7590	03/21/2006	EXAMINER	
MYKROLIS CORPORATION 129 CONCORD ROAD BILLERICA, MA 01821-4600			POPOVICS, ROBERT J	
			ART UNIT	PAPER NUMBER
			1724	
DATE MAILED: 03/21/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

CW

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/913,977	PROULX ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Robert J. Popovics	1724	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 1/11/06.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 and 25-27 is/are pending in the application.
- 4a) Of the above claim(s) 10-14, 18, 25 and 26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 and 15-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

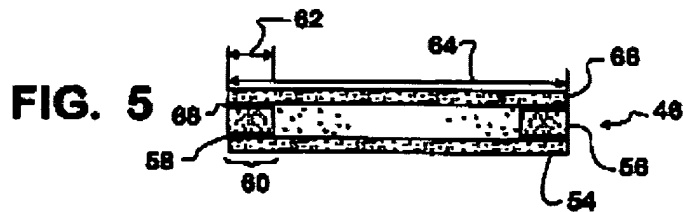
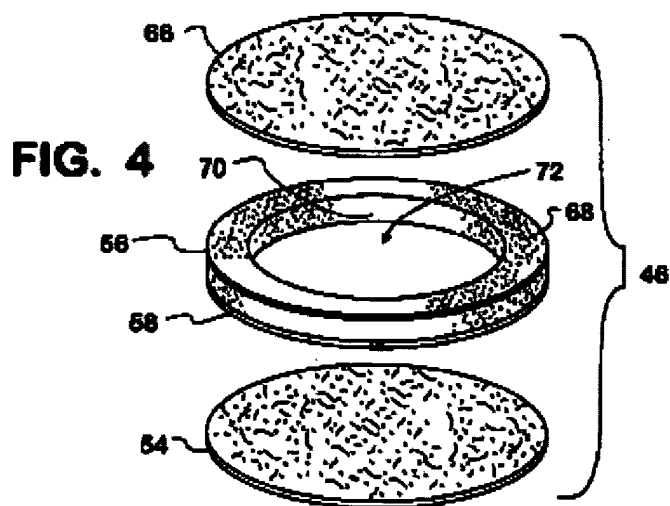
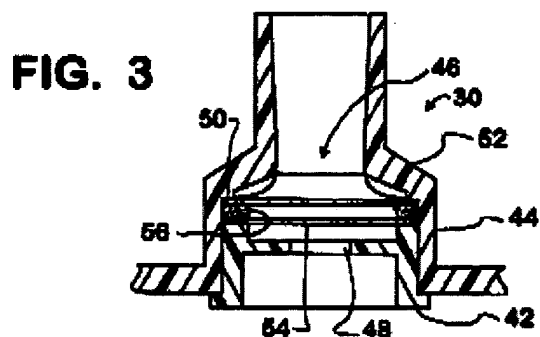
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION*****Claim Rejections - 35 USC § 102***

Claims **1-9** and **15** are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Johnson (US 6,093,230)**.



Art Unit: 1724

It is submitted that the various claims ratios, thicknesses and dimensions are taught by **Johnson**, or met by virtue of inherency. Alternatively, it is submitted that the various claimed ratios, thicknesses and dimensions constitute parameters that would have been routinely optimized by one of ordinary skill in the art.

Claims **1-2** and **6-8** are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Tsukamoto (US 4,793,928)**. It is submitted that the various claims ratios, thicknesses and dimensions are taught by **Tsukamoto**, or met by virtue of inherency. Alternatively, it is submitted that the various claimed ratios, thicknesses and dimensions constitute parameters that would have been routinely optimized by one of ordinary skill in the art.

Claims **16-17** are rejected under 35 U.S.C. 103(a) as obvious over **Tsukamoto (US 4,793,928)**. It is submitted that it would have been obvious to employ the filter of **Tsukamoto** to filter the slurries recited in claims **16-17**.

Claims **1-9** and **15 -17** are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Zuk (US 5,798,041)**.

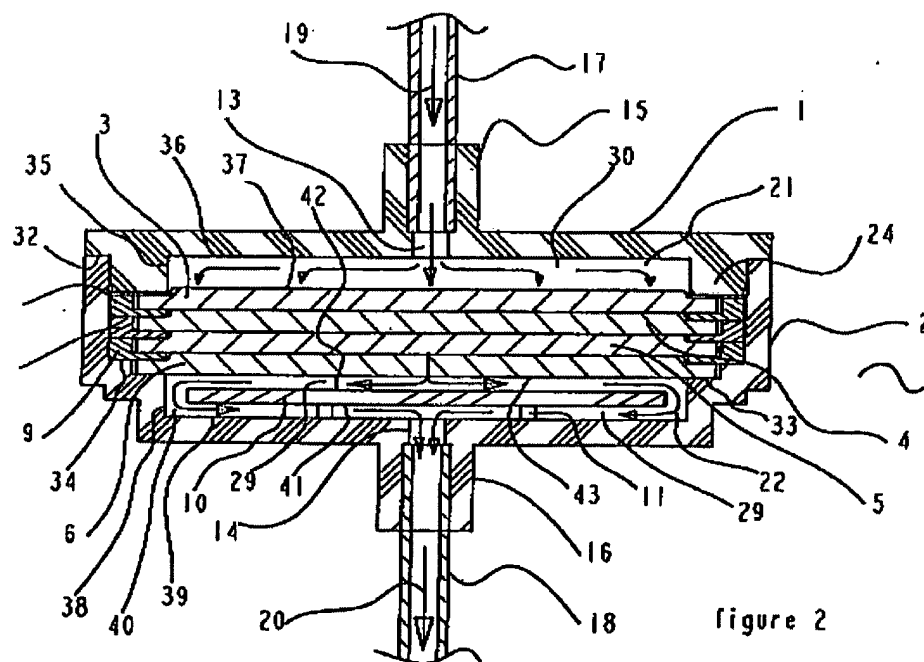
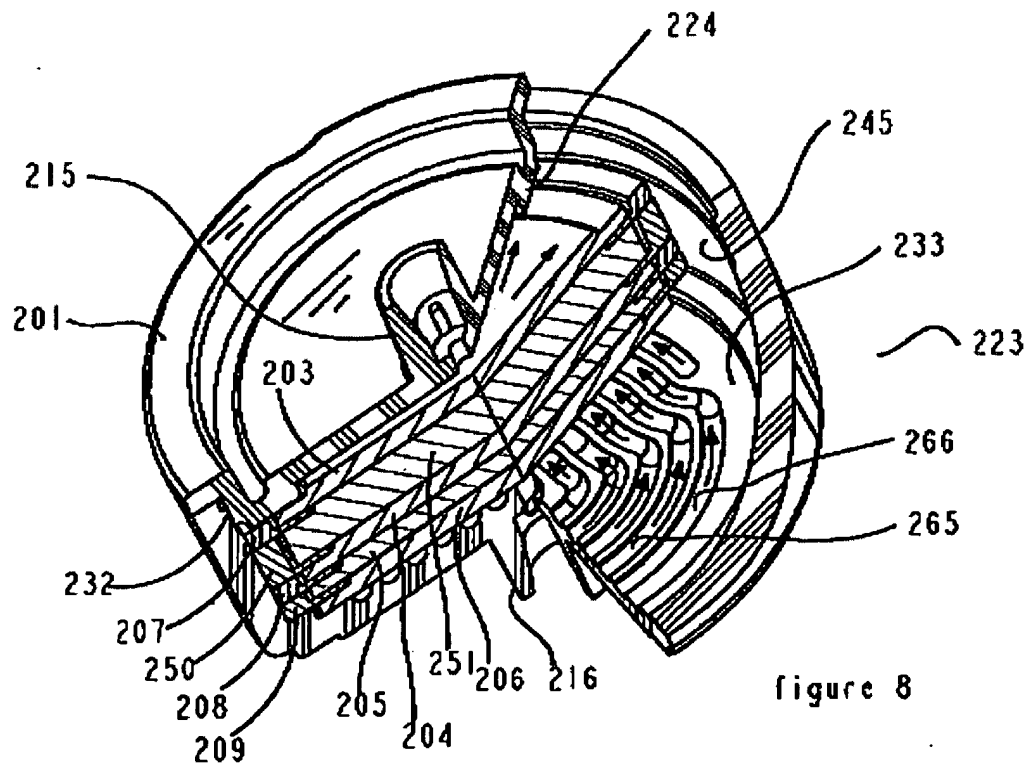
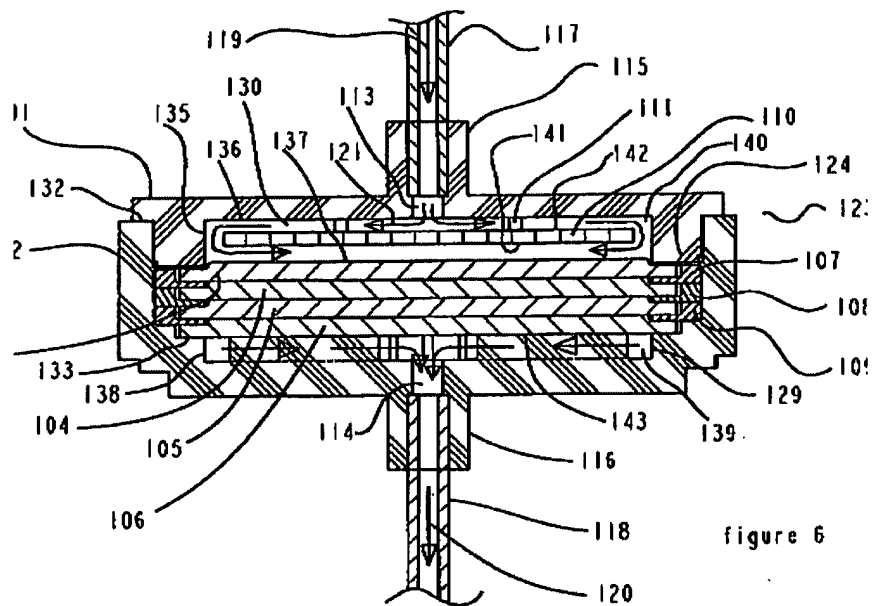
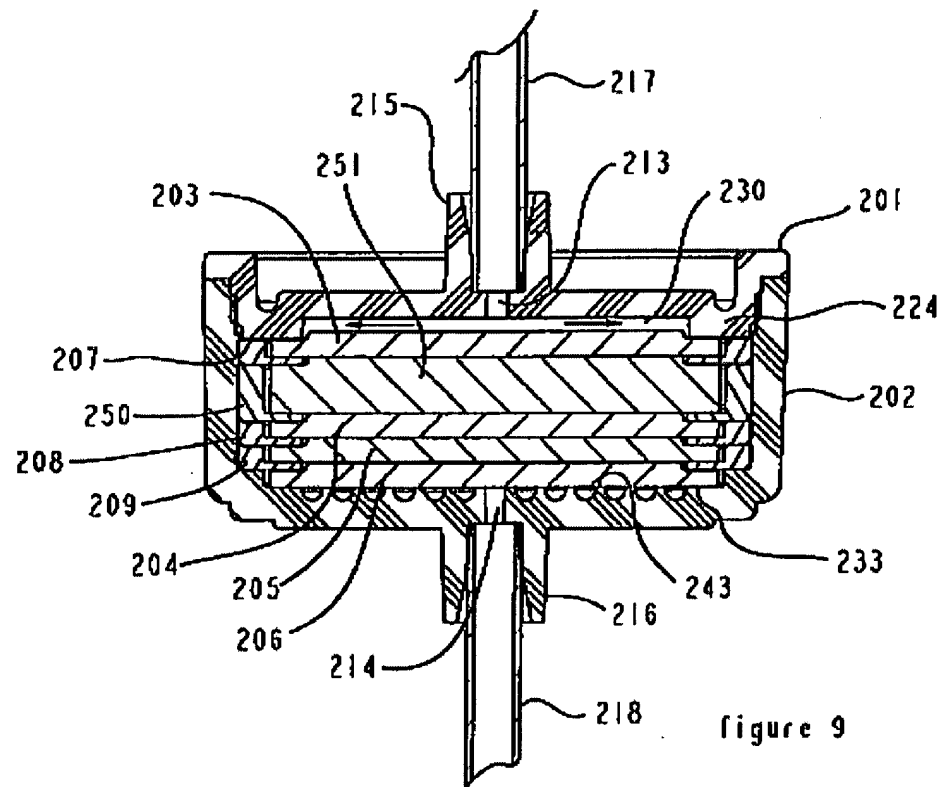


figure 2





It is submitted that the various claims ratios, thicknesses and dimensions are taught by **Zuk**, or met by virtue of inherency. Alternatively, it is submitted that the various claimed ratios, thicknesses and dimensions constitute parameters that would have been routinely optimized by one of ordinary skill in the art. See claims 14 and 39 of Zuk.

***Terminal Disclaimer***

The terminal disclaimer filed on September 15, 2005 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of any patent resultant from application serial number **10/917,881** has been reviewed and is accepted. The terminal disclaimer has been recorded.

***Conclusion***

This action is NOT FINAL.

Any inquiry concerning this communication should be directed to Robert J. Popovics at telephone number (571) 272-1164.

A handwritten signature in black ink, appearing to read 'R. Popovics', with a horizontal line underneath.

Robert James Popovics  
Primary Examiner  
Art Unit 1724

March 18, 2006